



Meeting

S3P Agri-Food Thematic Partnership on “Traceability and Big Data”

Sevilla 28-29.03.2017





summary presentation



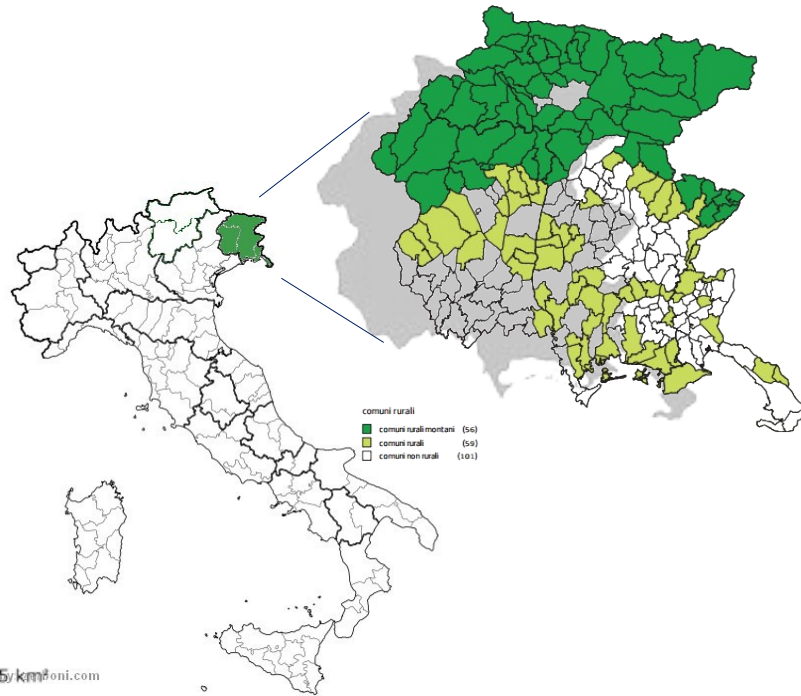
- Some data: who we are
- FVG Challenges “WHAT”
- FVG Challenges “WHERE”
- FVG Challenges “COMPETENCE”
- FVG Challenges “WHO”





REGIONE
AUTONOMA
FRIULI
VENEZIA
GIULIA

Friuli Venezia Giulia autonomus Region



Carta d'Identità

Superficie: 7845 km² oni.com

Popolazione: 1224201 ab.

Densità: 155 ab. per km²

Capoluogo di regione: Trieste

Province: Gorizia, Pordenone, Udine

Territorio

Monti: Alpi Carniche e un tratto di Giulie - Monte Coglians 2780 m, Monte Jôf di Montasio 2753 m, Monte Mangart 2678 m, Monte Pramaggiore 2478 m, Monte Col Nudo 2472 m, Monte Plauris 1959 m

Colline: altopiano del Carso

Pianure: punta orientale della Pianura Veneta

Fiumi: Tagliamento, Isonzo, Timavo che scorre oltre 40 km sottoterra, Livenza

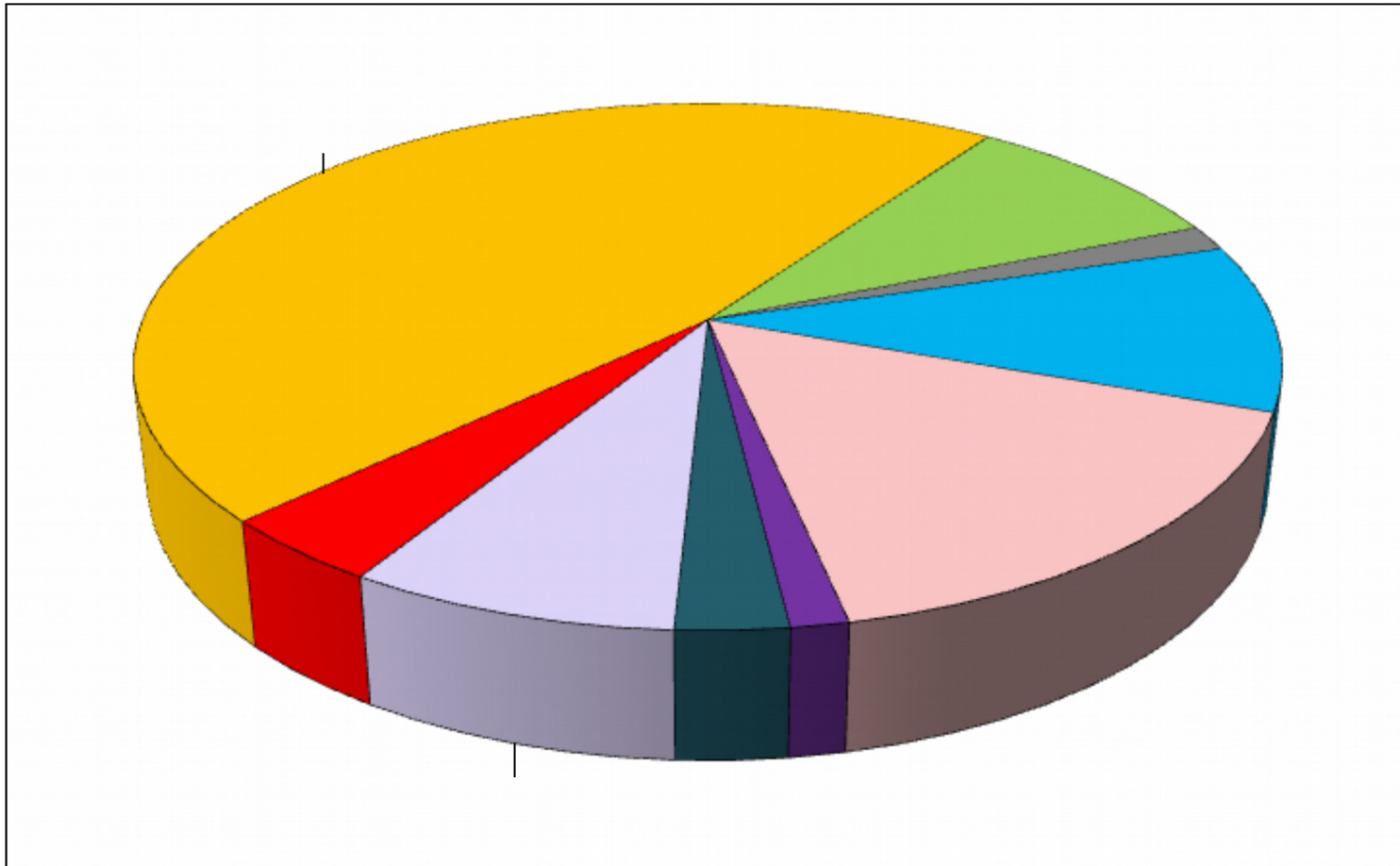
Our foodstufs.... belong to our territory



Agro Food Sector in FVG

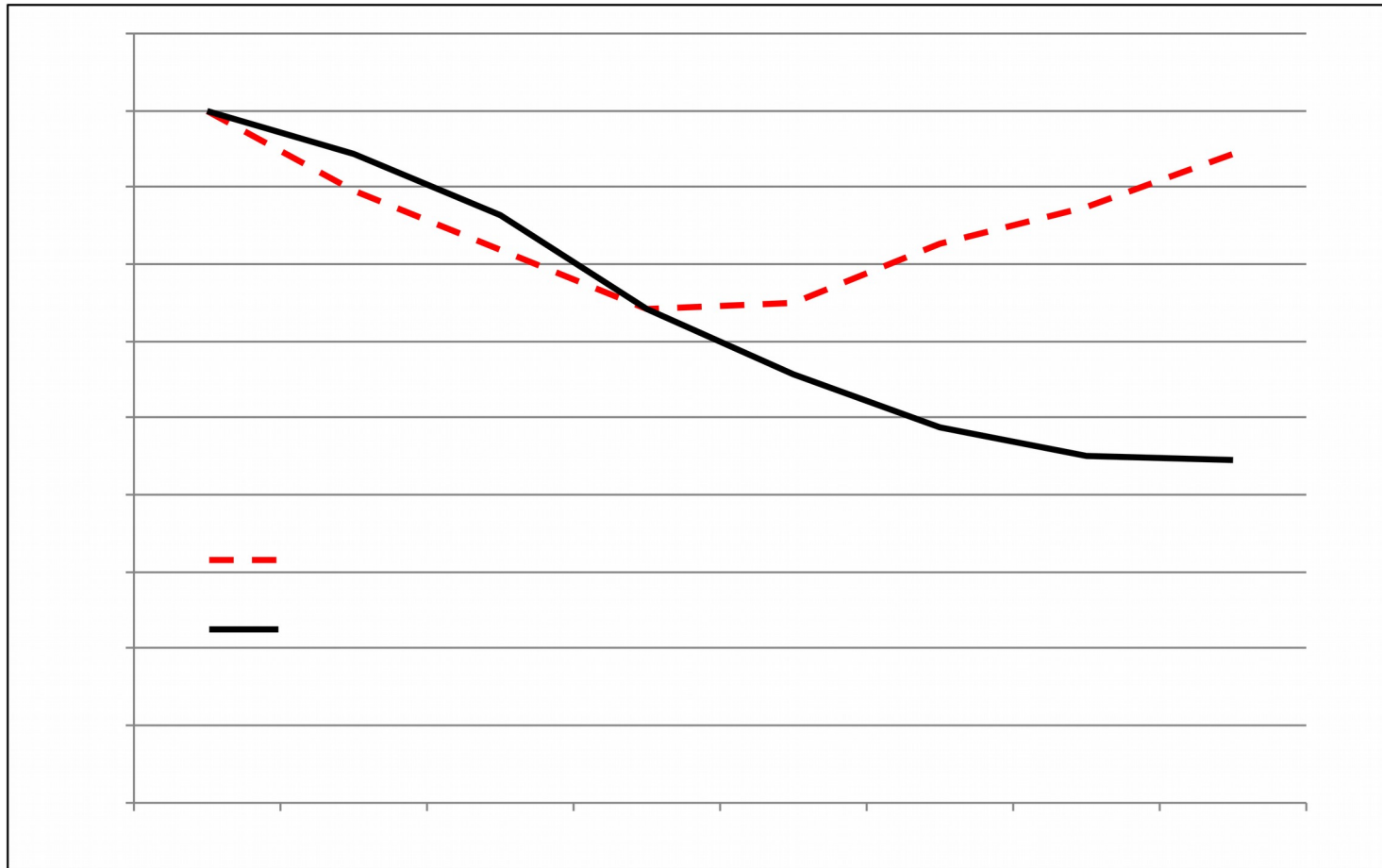
	Food Production and distribution	Agriculture (food and non-food)
Number of SME	1147	20.000 (2013) con SAU 212.751 ha
personnel employed	7.800/8.000 (7,3% of total manufacturing sector)	13.200
export	527 M € (9,9% of total manufacturing sector)	148 M € (2,8 % of total manufacturing sector)
Variazione export (2014-2015),	+12% prevalentemente caffè, vini e insaccati	+ 10%
Added Value /year	468.000.000 €	552.000.000 € (2013) + 15% year

SME typology in FVG (30 sept. 2016)



Fonte : elaborazioni su
dati InfoCamere

Number of SMS in FVG (related to 2009) vs total manufacturing 2009=100



Fonte : elaborazioni su dati
InfoCamere



FVG Challenges “WHAT” / 1



1. Improved measurement and control of environmental impact (water usage, soil quality, etc.) both for agro-food organizations and public authorities, etc.
2. Improve effectiveness of traceability and control (temperature, ‘tampering’, etc.) of foodstuffs along logistic chains
3. Methods and tools enabling the analysis or visualization of existing data from multiple sources (devices in fields, factories, trucks, etc.) and types (proprietary, open data, etc.).
4. Cost of investment for farmers, food processors or transportation firms in equipment and technologies (sensors, robots, drones, etc.) including data management tools
5. Capacity for farmers and/or food processors to anticipate or predict market trends including price changes



6. Legislative or regulatory frameworks governing the collection and use of data (data standards, security, interoperability, rights of access, updating, etc.)
7. Capacity of farmers, processors, etc. to manage and use data collected via installation of new automations, sensors, etc.
8. Development of platforms to improve swapping/exchange of data along the food value chain, notably improving the access of farmers and food processors to consumer feedback on products.
9. Improved labeling and content of information provided to consumers (source, health, environmental data, etc.)
10. Availability of know-how on new materials, optics, biotech, etc. (GRIN) that enable the application of new traceability strategies

For which regional agro-food chains (dairy, cereals, meat, oils, beverages, etc.) is it most urgent or important to improve the capacity to collect and manage data?

1. **Cereal** - they are important for the size of the sector and at the same time less structured
2. **Meat** – critical sector – loss of competitiveness - eating habits
3. **Cheeses Milk&Diary** - critical sector – loss of competitiveness
4. **Vegetable - fruit** – fast growing interest – vegetal proteins&eating habits
5. **Wine** – new rural economy called “prosecco”

FVG Challenges “COMPETENCE”

Relevant key technologies for which FVG region is specialised:

1. Wireless Sensor Networks (WSN)
2. Genetic, Robotic, Information and Nano technologies (GRIN)
3. Radio Frequency Identification (RFID)

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- a) food processing including cooking systems
- b) mobile wireless technology for food processing
- c) predictive modelling
- d) MAS smart breeding
- e) High Tech Farming

Relevant Centres of expertise (accademic/industrial research, technology or training centres, etc.) :

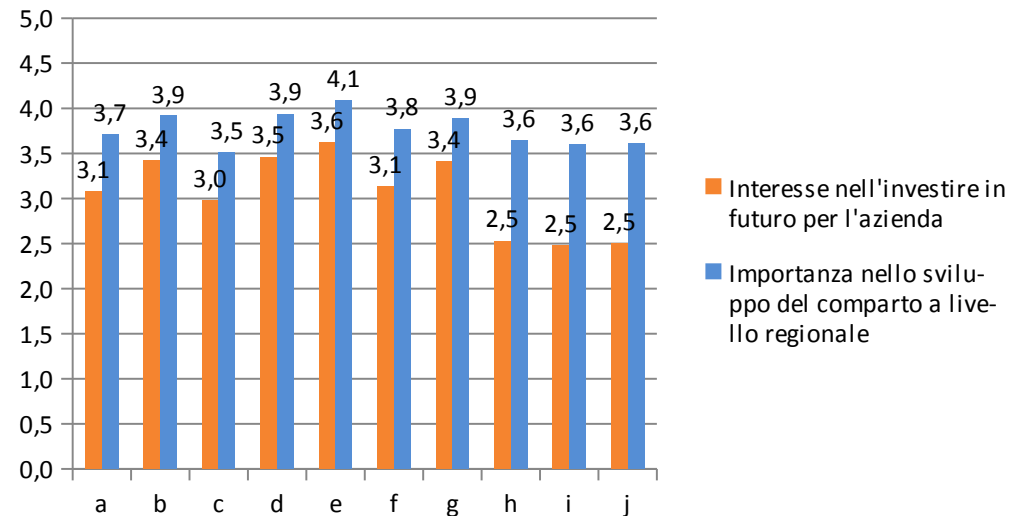
1. **University of Udine** - Public National University
2. **University of Trieste** Public National University
3. **SISSA** - International School for advanced studies
4. **Eurotech spa** - hardware e data management – Strategic
5. **Insiel spa** - software for public bodies - Public Data collector&storage
6. **ASEM spa** - hardware e data management (POS Units)
7. **Parco Agroalimentare San Daniele scarl** - Agrofood Cluster organization



RIS3 FVG – update: survey /1

Score from 1=low to 5 =high

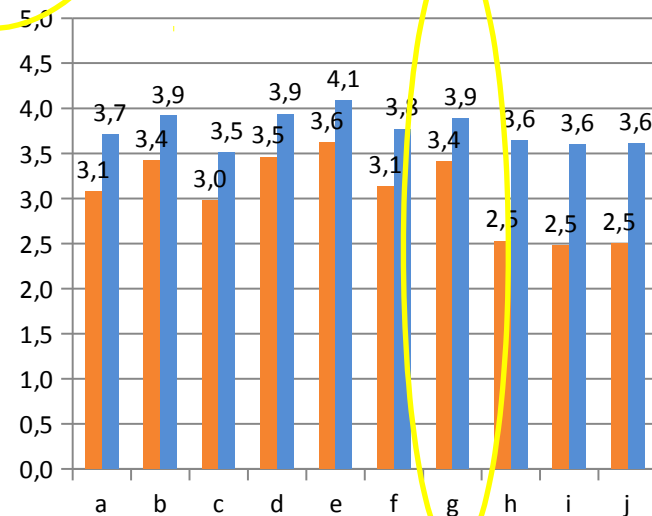
1						2						3		4					
Macroarea “Non food- Materiali biobased”						Macroarea “Agricoltura e industria alimentare”						Macroarea “Piattaforme digitali e distributive”		Macroarea “Sistema acqua”					
Traiettorie / sezioni della “catena di valore”						Traiettorie / sezioni della “catena di valore”						Traiettorie / sezioni della “catena di valore”		Traiettorie / sezioni della “catena di valore”					
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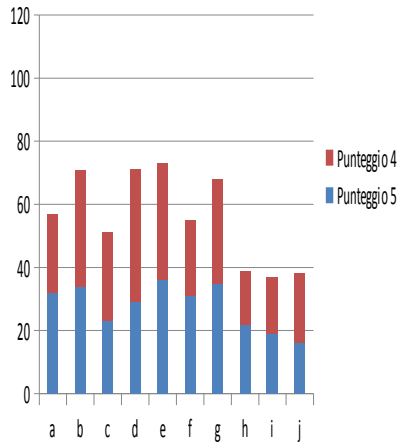


- Interesse nell'investire in futuro per l'azienda
- Importanza nello sviluppo del comparto a livello regionale

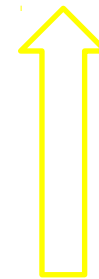
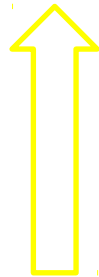
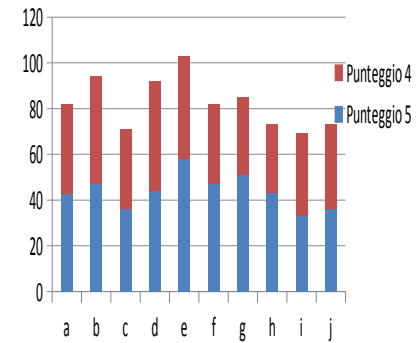
RIS3 FVG – update: survey / 2

Score from 1=low to 5 =high

Numero di aziende che hanno espresso punteggio "4" e "5" come Interesse nell'investire in futuro per l'azienda



Numero di aziende che hanno espresso punteggio "4" e "5" come Importanza nello sviluppo del comparto a livello regionale



LOGISTICS OF PRODUCTS AND RELATED DATA



GRAZIE dell'ATTENZIONE
Thanks for your attention



Friuli Venezia Giulia autonomus Region

